

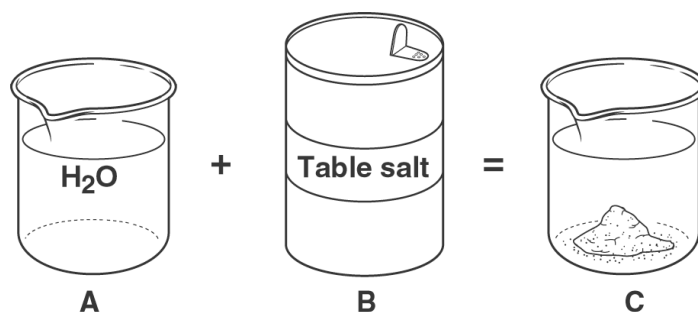
Compounds vs. Mixtures

Write *true* if the statement is true. If the statement is false, change the underlined term to make the statement true. Write your answers in the spaces provided.

- _____ 1. The substances in a mixture can be separated by chemical means.
- _____ 2. A salad is an example of a compound.
- _____ 3. The substances in a mixture keep their own properties.
- _____ 4. Coffee is an example of a heterogeneous mixture.
- _____ 5. The substances in a mixture can be present in any amount.
- _____ 6. Two or more substances that have been physically combined make up a mixture.
- _____ 7. The substances in a compound can be separated by physical means.
- _____ 8. The parts of a mixture are chemically combined.

Skill Challenge

Study the diagram below. Use the information in the diagram to complete the statements that follow.



1. Part _____ of the diagram shows a mixture.
2. A compound is shown in Parts _____ of the diagram.
3. Molecules of the substance shown in Part A of the diagram _____ exactly alike.
4. Molecules of the substance shown in Part B _____ exactly alike.
5. All of the molecules shown in Part C _____ exactly alike.
6. The different molecules in Part _____ of the diagram can be separated by physical means.
7. Part _____ of the diagram shows the solute.
8. A solution is shown in Part _____ of the diagram.
9. Part _____ of the diagram shows the solvent.